

ABSTRACT

In one aspect, there is a lithium battery powered LED light. The light includes a lithium battery power source, a switch, and a Gallium Nitride Light Emitting Diode (LED) selectively electrically connected to the lithium battery by the switch. The light also includes a heat sink thermally coupled to the LED and a voltage converter and current regulator circuit having a circuit contact electrically connected to the switch. The LED and the lithium battery are constructed and arranged to provide a predetermined voltage and current to the LED when connected to the lithium battery. The light also includes a housing within which the lithium battery, the switch, the LED, the heat sink and the voltage converter and current regulator circuit are located.

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